

YPbPr to HD-SDI Digital Video Converter

Lightem Systems LSC series YPbPr to HD-SDI converter converts YPbPr component HD video to HD-SDI digital video, or SDI digital video. It is a suitable for applications in TV station, CMMB, IPTV, mobile TV, mobile phone TV, telecommunication operators, government video conference system and other new media field.



FEATURES

- SDI signal compliant with the standards of SMPTE292M, SMPTE259M
- SDI signal auto adaption to the speed of 143M,177M,270M,360M,540M,1483.5M,1485Mbps

APPLICATIONS

- HD Video at TV Stations
- Telecommunication Operators
- Government Video Conference
- New Media Field

SPECIFICATION

YPbPr Component Video Input	
Signal Standard	480i, 480p, 576i, 576p, 720p, 1080i
Channel Capacity	1
Bandwidth	350MHz
Input Level	1.2Vp-p
Synchronization Level	5 Vp-p
Horizontal Frequency Range	15-70KHz
Vertical Frequency Range	30-170Hz
Connector	RCA x 3
HD-SDI Digital Video Output	
Channel Capacity	2
Signal Level	800mVp-p±10%
HD-SDI Rise/Fall time	<270ps@1485Mbps
SDI Rise/Fall time	<0.6ns@270Mbps
HD-SDI Jitter	<0.2UI(134ps)@100kHz <1.0UI(673ps)@10Hz
SDI Jitter	<0.2UI(740ps)@10Hz <0.2UI(740ps)@1kHz
Impedance	75Ω
Connector	BNC

AUDIO VIDEO SYSTEM

<i>Physical</i>	
<i>Dimension(HxWxD,mm)</i>	39×166×95
<i>Power Supply</i>	130 - 260VAC, 50-60Hz
<i>Power Consumption</i>	<5W
<i>Temperature</i>	0 to +70 Degree
<i>Humidity</i>	0 to 95% RH Non-condensing
<i>LED Status Indicator</i>	Power, Video Activity

ORDERING INFORMATION

P/N	DESCRIPTION
LSC-YPPHSDI	Lightem Systems SC series YPbPr to HD SDI video